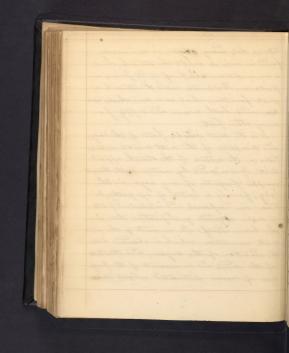
A Dibertation on the causes, phenomena and treatment of Dyspepsia, presents to the Hon "Medial Landing of The University of Theory travia Wan mangural Molis in order to be admitted to the degree of Doctor of Medicine. By John Jordan admitted March 25th 1822

white March 25th 1822

Dyspepsia, " The functions of the human body have been divided ento two classes. In the first are included such as serve for the posservation of the individual; and in the second such as sever for the foreservation of the spices. The first of these class has been divided into two orders the first of which includes the aprinilating or digistive functions, which are also called internal functions; while the second includes the relation or external functions - those by which the individual forms commetions, on sustains retations with surrounding objects. According to the preceding arrangement, physiologists assign to the digestion functions, of which the stomach is the principal or gan, the first place; to which indied the stomach deems entitled, whither we consider the importance of its own proper functions, or we the controll, which it exercises over almost every other part of the system. Instanist

Justiem state have been and my the fact it is the property

tell us, that every of gan is universally found in animals except the storach, which is an incontrovertible proof of its prime in portance. Hippocrates called the storach a quat fountain, which as a sea, which, was Har, could both receive and supply from every other Last. It is the most irritable part of the body, and susceptible of the most minute distinct tions in the nature of the stimule applied to it. It is endowed by nature with the nost complex properties of any argan in the body, forming a centre of sympathy, butween our corpored and intellectual parts, of more egguinh qualification, then even the brain itself. On account of the into mate connection, which is observed between the consistion of this organ and thistate of the mind, and on account of the profur sion of nervey distributed about its my



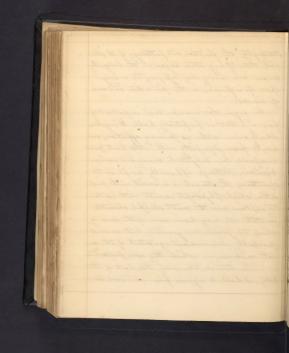
repper origin, some philosophers have through it to be the sent of the sould his count be considered the wildlit notion over in physicity when it is observed how much every desired of the survey system, and especially those of the mind, defend on the state of the storach.

Mikeles performing a very important fact on the function of digition, it exercises a sort of expension out the whole system. The inguste are submitted to its inquisitional forming and an imported, by comiting or appropriated by digition to some fringer according to their fits ness. I needly is the stomach to take capture when a ring disturbance on discover the system, that our inquires are in most instances first derically to it, as the neights or intelligent of fire of the which system.

From the preading and other consideration, that with her address, it seems more in portant for medical practitions to understand them *

throughly the function and fathless of the star note, then of any other argon is the body. The science are every day objection it a larger spen of influence in the production and care of diseases.

An organ, that exercises such important of fices, and that is perfectually hable to injulies, which occur either as primary affections, or result from sympathy with other parts, must maparity be subject to many and various Sisoners. Although apparently simple in its structure, the stomach is endowed with propentir, which physiologists cannot with certain Ty explain, nor the most skilful chemists imitat. We may learn some of the laws by which its powers are governed; but we shall probably ever remain ignorant of the exnet meanner, in which they are performed. The storach, like every other part of the body, is liable to injuries from chimical or



muchanical agents, who to acut oiseased from there causes, but its disensers are more commonly of a chronic character, it debility or relaxation of the fibres of the Stomech, connects with, or products by a vitable stat of the its secretions, appears to form the principal four detion of its most fuguent durangements, mes one of which is mare common, than Duspep sia or Indigestion, which I have selected for the subject of my their, not on account & any movelty in it, but in order to render myself, by the investigation, more familiar with a disease, which I may griguetly be called on to treat, and which sometime, bef fles than, who have had saturding mading and long experience. By the term Dyspepsie is meant a diffi

cult, painful, or imperfect digetton to one of the most varied form of chronic his one of the most varied form of chronic his baser, affecting more or lip the whole system,



both mental and corpored. It has become a very common disease, among both The indigent and affluent, although flowing, in the different class, from very different causes In the first it may be ascribed to the combines agency of hard labour, coldand moisture, thin clothing and the puricious custom of drinking the and effec. In the latter, its most furtil sources are, errors in diet, the immed with use of artent spirits, a dedentory mode A life, anxiety of mind, and late hours. In this, as in other conflaints, we do not mut all the characteristic symptoms in every ease, but the hading ones gener. ally for sent themselves in an evident man ner, on in such order and degree, as to runder a cornet diagnosis obtainable. The observer in dyspepsis The following symptoms. An impaired or lost affeth, sometimes a loathing of all food, nausea,



womiting, especially after taking food. The mataial ejected by comiting is of various colours, being denutioned queen or yellow, or a tough ropy phligm. There is a bitter taste in the mouth, and the tongue, while is always an indea to the stomach, is more on les furned, especially in the morning. and on its back fait. There is flates in the Stomach Sid bowels, with tension and pain in the hypochendriack, spirathick, and um bilical regions. Ruminations with flater usually occurs bardin algia is a very general symptom, and proceeds from irritation of the newer of the stomach by The acremony of its contents. It is sometimes very violent, and occurs in paroxims at short intervals, after the taking in of any acris mate ten. The fluid exite from the stomach had some times such a degree of acremeny, as to excore ate the jain, our which it passes, Dr. Phys. ich has related a case, where the with was to



greet as to correct clifts. Carbidgie is often accession Tirritation from flatus on autoring an extension from flatus on autoring an extension factor the bounds are generally costing but semilement there is an alternation of diameter and the cotton of many be considered peoply as a cause, and factly as effect, whe clusion evacuation, are often but little committees we were considered of the fact of the title committees when when when there when the colours, but, at attemptions, they are mucans, fitial, dark and find coloured.

Among atter tographore, we man or appear quently experien, sallmanes, wintigs or giblings, sizing in the ears, dimning of sight, or the explanance of insects before the eyes, general or parties termores, patients of the best, innocularly of the fruits, fluttering in the same grains, on claves highericus; pains in the brust, tide, and back; languar, ab bility,



and deprepar to spirits, with a densition of succession; the succession or wine and pale colours, and starts and tracked than returned, there are foresent joins in the boards with har borregaring and james times a dense of thickness, and spirite in the throat, him also hasterness. The proclambrication is that common an author, have that the same independent interpretary we independent connected.

This complaint is various in its duration. Sometimes it lasts only a few hours, and concepts in a nauser and committing or diarrha; but in general it goes on for days, weeks, and even months, Sometimes it list for years or even months, Sometimes it lists for years or even months, Sometimes it lists for beauing under it, who are even cooper bent, and netting their colour and applied. Middle agod froph are most hable to it.

Middle aged proph are most brack to it, though it may occar in persons of ten or tracker



tuche years old and more mere subject to it than women, it sometimes disoften on tomanch, I from a long continuous of it for timents from pake, smalled, disophical or lathicical.

Iltrigh sometime it is herbitary, whethe good and hysteric are often commend with, on we present on displaces by the host fatheright of the nested day, both the disease have their start day, both the disease have their start day, both or origin to the diseases have their start day, both admentary card, the origins that condition of the admentary card, the origins that continue this cand, have the greatest in placemen over the reviews and was calar systems, and thereby an all the function of the body,

The proximat caute—The ifte morbins of dyphilia is vernally thought is he a lop of town, atony, or imbecity of the muscular fictions, it the stomach and intestines. The garnet



juice is probably diminished in quantity or

utiated in quality.

The nimoto causes being very numerous, I shall, for the Jake of perspiculty, divide them into such as not Frimarily and directly on the stomach; and those, which not inductly on that arean, first injuring and enpubling the whole system. Imong the first may be enumerated tra, coppe, tobacco, ardont spinits, o pium, sermented bypeons, and aromate, Both the and coffee have a direct and specifick effect on the stomach, and there on the whale nervous system. boffee has the same exhilorating power as two, but it combines elso a Stimulant one, which operates on the sanguiferous system, and counteracts its, effects on the nervous system. Hence it may be said to be less mischievans to health, then tea, Both are, in my opinion, detainmental to all persons of



a delitate constitution. Dr. Currie ascribes the susceptibility of taking febril contagion to the profuse use of tea. He gives a melancholy description of the combined powers of the and ardent spirits on the constitutions of the paor, In the eighteen hundred cellars in Leverpool, there are many, in which arisal ford is not tasted more than once a week; but there are very few, in which the and coffer are not daily drunk. Hence the great number of dyspetite patients at our pent his charities, which may almost all be traced to the use of ten and spirit, then assisted by Supreshin of mind the gant majority are finales. Dr. Whyth was strongly impressed with the which in the permisions qualities of tra, and says, that the stomach conflaints and necessaitments, as they are called, may be faithy evering or the too quest use of trai. Tobacco is another fruitful somer, from which



despepsion wises. By entering the stoned, it di really impairs its action by its narcotic power. It mareour injures the salivary glands, producing dry rep in the mouth, shen its use is intermetted. In Darwin hought it produced a schirmus of The pancress ar Tipot ascribed to take co sw and but qualities. The first is, a waste of the spitth, and, in consignmen thrush, all the biseases, which it generates; for smokers, though they spit plentifully while they are smoking, are observed not to spit at other times; nor is this strange, for the stimulated argan, (the stimulus being removed) ceases its rotion, and hence frequently a drynep of the mouth, which induces too plentiful drinking of liquons. Secondly, from the frequent irritar tion, the stomach and intestines are debilite tis, the applied spoiled, the spoils exhauted, rature grows shiggish, and wases to net un Up stimulated. He, fourth objection is, if



smoking induces too flatigut drinking, have it a how facuntain of diseases, drawins according to the various lignors, but always fatal. The afterwards proceeds to say, Is token thempone of no set at all is containly token in great quantity it hunts every token in which the had consequences have ensured but stowly, from the contrary; for but the board consequences have ensured but stowly, from the contrary; for but we become a courteness can to poisson, the machine perishing gradually, at far budden, the gree so far as it say, I rever membered a smoker like to be greet age.

But of all the most cause of the its assente as of adding shows a fortand or the most of the and the best of the providence afration on the best of and morals of men has been july described by anion, because I be series. They produce flacinity of the solds, toming



of the plains, indigetion, palsy, apolary, abdission, but they give not heart and dispose to gargeone". By accessioning dhility, they produce a stepration of the plains, has mote exclusion and diminish absorption; and hence bollow drops in.

Their als acts any injuriously on the Mornach. Guess in the form and quarty of Midicine, it will sometimes promise dispite in, although its we be continued only for a shart time. It is liable to most of the objection, which are broken against the use of tobaccs. Do. Gollen observes, that was of tobaccs, will account despension, I intigened warm begins, and totaking food to hat, and have our wester for the had effort of het tay offer on weller for the had effort of het tay offer.

Another could of dyspepin is immorrate re



phtin; and looking the storaid will fire of difficult digestion. The injurious practice of taking early breakfelts and feeting till right, and the taking diense and the at one bitting, a free-time usual among men of business part fless were, with if continue, produce diseases, to the whole the class of the trade medicine, or the second the class of Bette and Chilterhom, will not be able to farmish an antidate.

A deficiency in the bilary, getting on person atic secretion, disease of the liver, hysteria, hyperocherodracity be, one usually the cause or concess iterate of this disease. Sortineal as foom to maint and cold air and partially and fait are often the cause of deppipes among the house step of society. But their should fine house she of society that should fine the live of placed in the second clopper mental causes,

This clap "I have already stated, im have these causes, which first occasion whility of



"the whole testion, and afterwards that of the Stomach. Space one, an inductive deducting life, interest strong, anist and accasion. Little my men are frequent subjects of desphysiculture into and solution of mind soon delibilities all the argans of digetion; inducing, by long duration, and deap and shoppy.

The process posing cause we between to be a foreturnatural sensibility of the resources system, and delity of the stomet and

Lowels.

Progressio. Simple idispather Syphysica is very gently fitted; but I very often knows so. The former often continues many years without fromeing desease in any the part of the Lody. Hometons, however, by to home of duration, emaciation, carliery, and droppy and in more in macial in made in made in made.

The treatment of this disease is next to be considered. As dyspepine usually forunts it



self, the first indication is to charse the store ach by an emitic from any crudities, that may have collected there, and this prepue the way for other remedies. For this Justices specae is to be preferred. It is sufficiently actwo, and, at the same time, exerts a furmament inphener on The disease. It may perhaps In proper to repeat it two or threwtimes, should crusitus rapidly accumulate. We are, in the next place, to resart to milo purgatives. All palin and drathe articles should he avoided. Rhuback, from its tones effect on the bruils, may be resorted to with advantage, and may be combined with magnesia. Dr. Chapman says the lust lecation In ever employed is a meature of lac sal from with calcined magnesic in equal parts. It is a certain laxative, and one bust calculated gon overcoming a habit of costinemep. If this meature should be offensive to the



patient, the magnesia may be given without

The condition of the alimentary canal being thus rectified, wer are to resort to tonics, especially the vigitable litters; such as gentian, columbs, qualsia, hops, and persuian back. Of these articly, the hop and quapie are or he preferred. The back was farmorly much extered in the cure of this disease; but it has fallen into disreputo. Dr. Chapman thinks it info nior to either of the praceding articles. But the mineral tonies certainly hold a deidd Superiority over all others in the treatment of this dishaw, especially the preparations of iron. The one most frequently used is the carbonate or rust of iron. The sulphite of iron is also employed with much arountage, This appears to be the most approved moor of treating the simple cases of dystepsia. But with this disease, there are aprients

* P Hickory asher 12th Chean sort 1 the coup full, Pailing water I gallon. When the liquor bready cool, deant it for use . _ Dose , a wine grapped several times in a day.

certain affections, which require an entirely different made of treatment. Among these secondary affections, cardialgie is a very prom ment and distriping one, vising from the oct hetion of acid matters in the stomach In Their cases, it may not always be proper to exhibit an ametic. That there is a varithy of other articles, to which we may re sort; such as hime-water and milk; the al-Kalin and absorbert medicines, among which magnesia is to be proposed, Either of the alkalies will answer very well; but of all the remidies, the annexis prescription of Dr. Physick is believe, by Thon, who have employed it, to be the most efficacious in relieving that most distreping symptom. Spanne of the storuch is a frequent symptom of this diseau, and may be relied by the remoties already detailed. His mappy sometimes, however, to preserve opium, ether, an some



other atter artispersion; but to all their opium is certainly to be prepared. When the complaint often recent, it will be highly proper to apply a blester to the epigosonic region. This result as in the accent discuss of the stomach. On Chapman recommend sony highly distincing, the stomach with warm with the story. He says it hands were pails to give relief. My shorts their have second their recurrence.

The white exist of biometh has required of great reputation in the treatment of different in the was originally recommended by Mr. Odden of Geneva; that some projection wassing against it forward its gaining much reputation in Europe, and I Go Marcel, a sisting quicked practitioner of London, in a paper, which he published, your strong altertations of its other,



"Thour, Haid he, "had frequent opportunities of trying the oxyd of bismuth in sparmadic of hotions of the stomach; and that tricks have fully confirmed the opinion, which I formerly your of its great utility. It is also very exten sively used by the physicians of Niwyork and Partin, who report favorably of its howers in all the affection, of the stomach connect . I with dyspipera. The action of the substance on the stomach, is that of a mild and effect not truic; and in pyrosis, carbialgia and gastro dynia, it operates with more certainly, than any which in the materia medica. The hiera piona Dr. Chapman appreciate; very highly in gastrodynia. A dinand state of the liver must be allowed a fleer among the remote causes of dyspesie; but it is undentitaly to free queitly considered the princey namet cause. For although the functions of the ston-



ach may in duranged from contiguity, or sympathising, with other abdominal viscine, get in a great majority of cases that ongan and the rest of the alimentary canat are first affected, and the Reportie disorder is a secondary affection. Black or dark coloured stools do not alon afford a sure criticion for determining the exestence of a dississ hour; for such clan ger man take place from white to wretions from the intestines, and may easily he removed by a few down of cutherties or ail of temperatione. When the extitute of a direct fitte of the liver is cutainly mcagnized, we should then have vicourse to men cury in combination with other catheries, in or der to communicat a more fourful, to the Homach, bowels and abomentary liver. If the stools are of an un natural clayeolour, in diretting a deficincy of bile, then mercury wife



appears indespensably necessary; but we should In careful how we have fine pricipitally into the use of this article, from the mere vitiated appearance of the alvin evacuation. As improper diet is a frequent cause of dyspepsie, the fatient must be enjoined diligently to comet the enon flowing from this source, as well as from other injurious habits; such as sidentary accupations, omissions of exercise, He. To the weak and water dinary, an in-proper dut is evidently a friquent nemet cause of byspepsia. To great attention, cannot, therefore, be faid to the selection of that hind and quantity of Lood, which is the best wanted to the signtion powers. Cocoa or then choestate, soft boiled eggs, with a little fish butter spies on old bestwit or creekers, or a little cold forel, or the lean of fresh all meets, will answer for breakfast. The fatient, if

& Or rather bries made of unbolled meal on flower

he he fond of milk, should confine himself almost entirely to that artich of diet. It is applicable both to the simple forms of dy spepsier, and to those which are complianto with other affections, as gastrobynic, pyrosis, on No dut appears to be letter sait in to eases of water brash, than one of milk. Dining hearty, and at a late hour, will from quently reader abortion the last curation treat ment . As the system is they enfulled and digistion severe in perfetly performed, dinner should be taken at in early hours, and afterward genth exercise on horsebeck or on foot or in an open exercises. The fatient may at disser, induly himself in a little mutton, buf, or fowl, Vegetables should be few and of a tender kind, as vier, fotatois, &c. Dr. Chapman wing highly recommends bran-bread the high dissound strong meats, with heating sauces,



and weiner, must be avoided. The fat of meet, piercrusts, heavy unfumented bried, bacons rich fat fortdings, dried and solled meats, acid, and all weightables readily running into acid firmentation, are improper. Their cold water is wedoubtedly the best drink at his nen. The fatint should eat frequently and little at a time. The dinner must consist of but, mutton, to white flish of Boultry, the different kinds of game, and ogsters. Neither fork, non weal, non gust, non duck, non fish, are to be allowed. The Latine should alstain entirely from the use of tra and coffee. It is Deammon opinion among practitioners, that soups and broth, are of easy digition; but whatever may be the case in a sound state of health, not thing is butter established, then that they are in admitable in dyspepsia. They are ex-Trimely aft to become sour on the stomach?



"In some of the more obstinate and protract et cases of dyspepsia, much advantage may bu derived from remodes to the system generally, The warm both, employed twice a week, is highly whiful . It not not only as a tonic, but also by inciting diseases from the surface of the body. The cow, bath in other instances, acts upon a similar principl". Too little attention has been faid to clothing in the management of in orgetion. Every practioner must have seen now strong a sympathy exists between the alimentary canal and surface of the body. It is important to tech up the same Egace of warmit on the latter fast, and, for this few. post, flannel should be acon Juring the win ter and summer." I have already mentioned with put as one of the principal sources, through while this disease makes its enroads; expecially when Them is the slightest disposition to it, with put will hardly ever fail to bring it on. To grand

the signer reader to marky wheater when The Hallie William To the fit the stand of some said to being to constrain

against such a consequence, woolen stockings should be worn, and sometimes, to irrited the soles of the feet, ned pepper should be rubbed over them. Show makers wax, spread an leather on linen, may be who for the same purpose. This, in many cases, has relieved and fromtines altogether cured indi gistion." That what will all our nemedies accomplish, unlip the remote causes be removed? We should inculeate on the fatient the neapity of abser Doning entirely that habits and practices, which directly or indirectly time to the production of the dinaso. If intemperate, he should become sotion; if insolent, he is to be awakened to industry and enterprise; if stations, he is to abandon the midnight lamb; if afflicted and calamatous, he must but-All with promises of hope, and The gilded proshicts, which are before him. In The greatest energenay There is still some hope of care, and never, in this ogor in any other can, surred a your hatint to Carpain.

